

I-81 CORRIDOR IMPROVEMENT STUDY



Sheet 4 of 11

Potential Impacts to Land-Uses and Man-made Environment:

I-81 Exit 94 to Exit 128

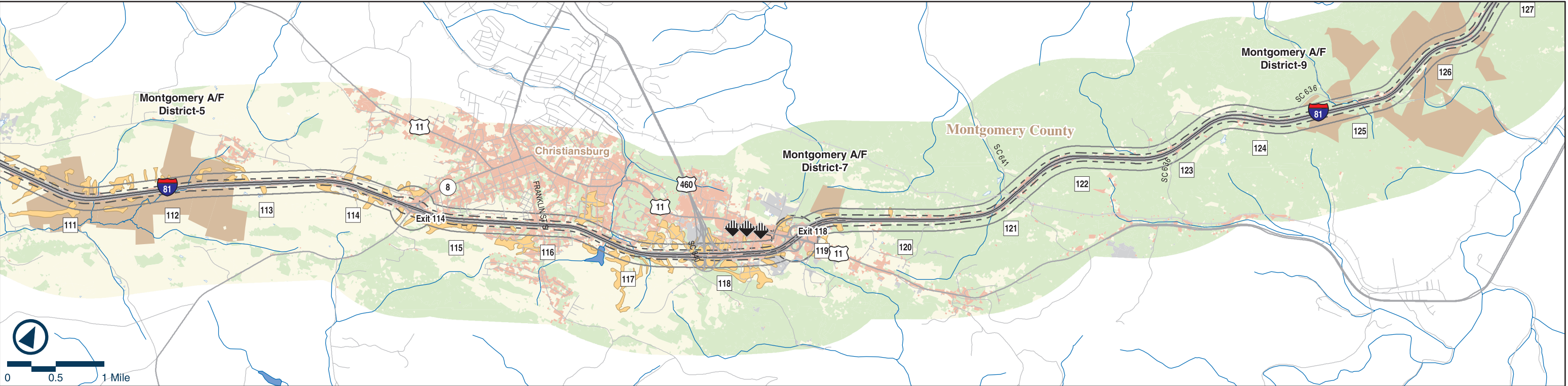
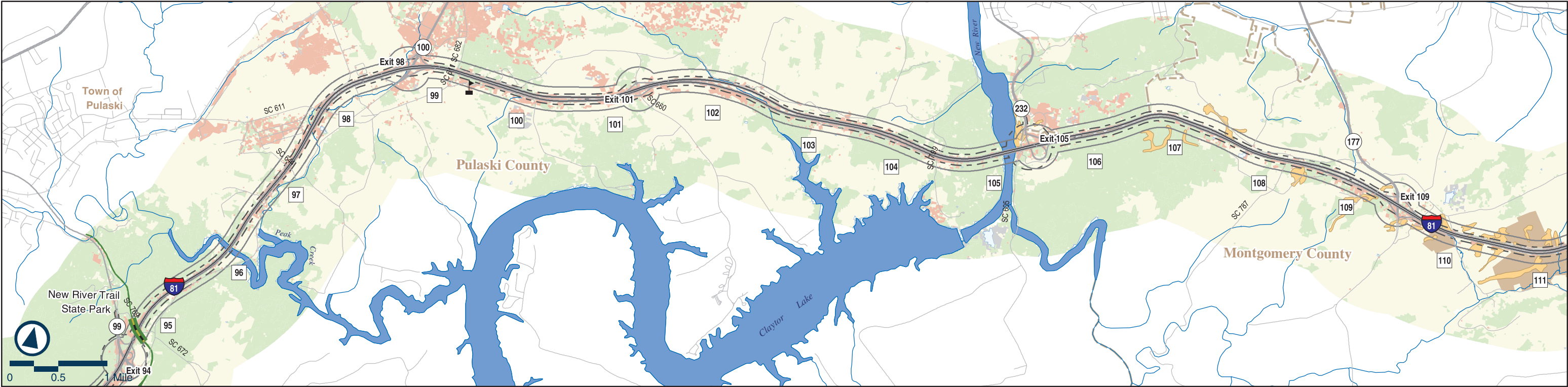


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I-81 Exit 94 to Exit 128

Resource	Minimum Width	Maximum Width	Add 2-Lanes	Add 8-Lanes
Displacements				
Residential	101	186	93	246
Business	41	51	41	54
Prime Farmland				
Montgomery County (ac)	46	76	46	80
Agricultural/Forestal Districts				
Montgomery A/F District-5 (ac)	0.2	27.7	0.2	27.7
Montgomery A/F Distirct-7 (ac)	0.4	1.1	0.4	1.1
Montgomery A/F District-9 (ac)	0.01	2.6	0.01	2.6
Parks, Recreation Areas, and Open-Space Easements				
New River Trail State Park (ac)	0.9	1.2	0.9	1.2
Hazardous Waste Sites				
RCRA Sites	3	3	3	3

Total potential impacts are for I-81 only. Rail corridor potential impacts are summarized in text.
ac=acres



Land Use

- Barren
- Developed
- Upland Forest
- Agricultural/Grassed
- Agricultural/Forestral Districts
- Prime Farmlands
- Open-Space Easements
- Parks and Recreation Areas
- Limits of Maximum Width Footprint
- Study Area

- Colleges
- Schools
- Libraries
- Petroleum Facilities
- RCRA Sites
- Toxic Release Inventory Sites
- Fire and Rescue
- Milepost
- SC# Secondary County Road

GIS Source:

Land Use	LANDSAT Imagery
Agricultural/Forestral Districts	VDOT/Various Counties, 2003
Prime Farmlands	VDOT/ SSURGO data, 2002
Open-Space Easements	VA Outdoors Foundation, 2003
Parks and Recreation	Colorado State University, 2003
	National Park Service, 2001
	City of Harrisonburg, 2004
	City of Salem, 2004
	Shenandoah County, 2004

Colleges	VA Economic Development Partnership, 2002
Schools	VA Economic Development Partnership, 2003
Libraries	VDOT, 2004
Petroleum Facilities	VDOT/DEQ, 2003
RCRA Sites	VDOT, 2004
Toxic Release Inventory Sites	VDOT/USEPA, 2003
Fire and Rescue	VA Economic Development Partnership, 2002



**Potential Impacts to
Land Uses and
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I-81 Corridor

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Potential Impacts to Land-Uses and Man-made Environment:

I-81 Exit 128 to Exit 156

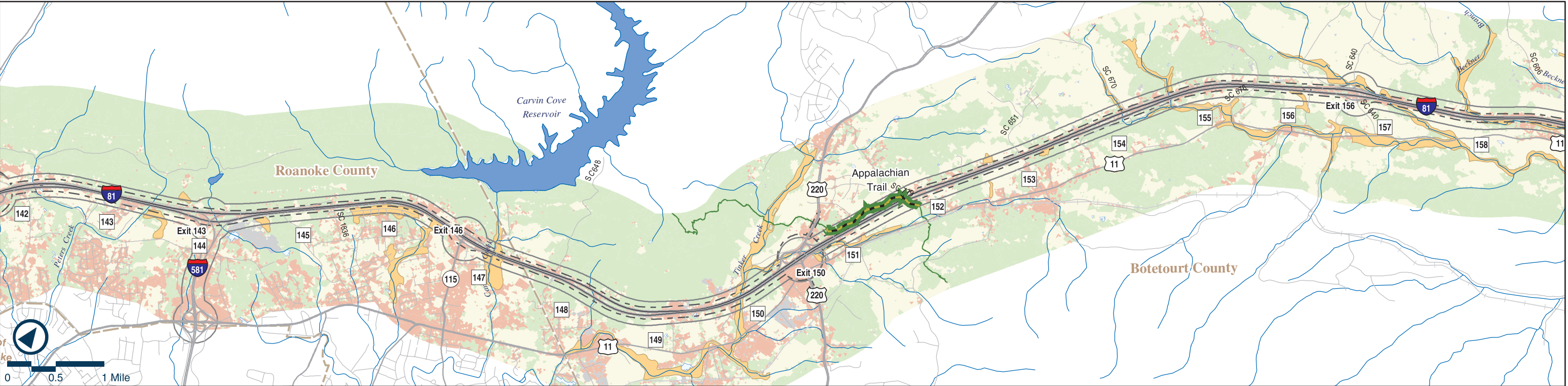
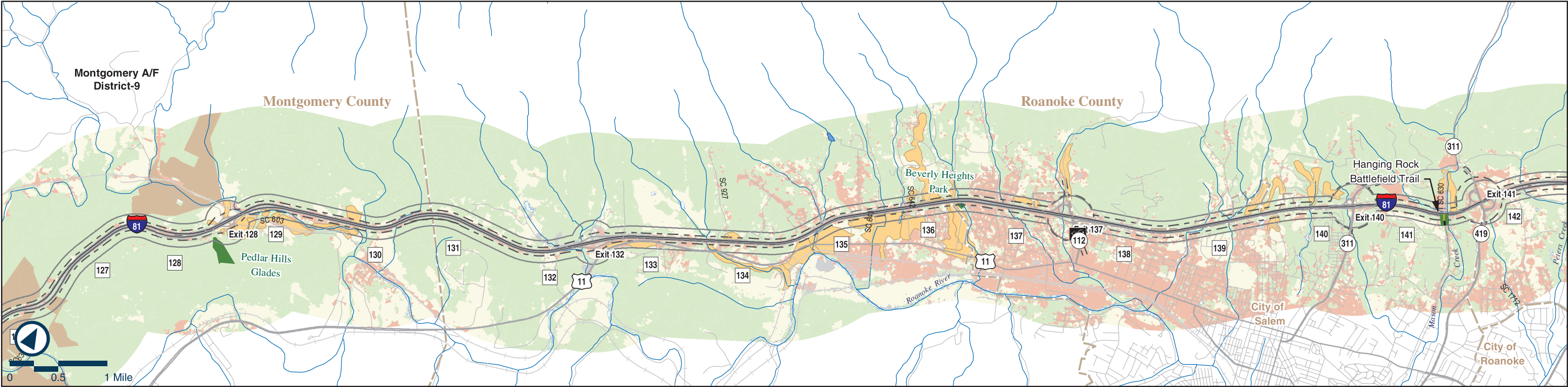


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I-81 Exit 128 to Exit 156

Resource	Minimum Width	Maximum Width	Add 2-Lanes	Add 8-Lanes
Displacements				
Residential	235	418	230	418
Business	62	74	63	73
Agricultural/Forestral Districts				
Montgomery A / F District-9 (ac)	0	1.6	0	1.6
Prime Farmland				
Roanoke County (ac)	22.5	31.3	16.8	31.3
Botetourt County (ac)	12.1	22.3	12.1	22.3
Parks, Recreation Areas, and Open-Space Easements				
Beverly Heights Park (ac)	0.4	0.9	0.4	0.9
Appalachian Trail	yes	yes	yes	yes
Hanging Rock Battlefield Trail	yes	yes	yes	yes

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- Open-Space Easements
- Parks and Recreation Areas
- Limits of Maximum Width Footprint
- Study Area

GIS Source:

Land Use	LANDSAT Imagery
Agricultural/Forestral Districts	VDOT/Various Counties, 2003
Prime Farmlands	VDOT/SSURGO data, 2002
Open-Space Easements	VA Outdoors Foundation, 2003
Parks and Recreation	Colorado State University, 2003
	National Park Service, 2001
	City of Harrisonburg, 2004
	City of Salem, 2004
	Shenandoah County, 2004

Colleges VA Economic Development Partnership, 2002

Schools VA Economic Development Partnership, 2003

Libraries VDOT, 2004

Petroleum Facilities VDOT/DEQ, 2003

RCRA Sites VDOT, 2004

Toxic Release Inventory Sites VDOT/USEPA, 2003

Fire and Rescue VA Economic Development Partnership, 2002



**Potential Impacts to
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Potential Impacts to Land-Uses and Man-made Environment:

I-81 Exit 156 to Exit 188



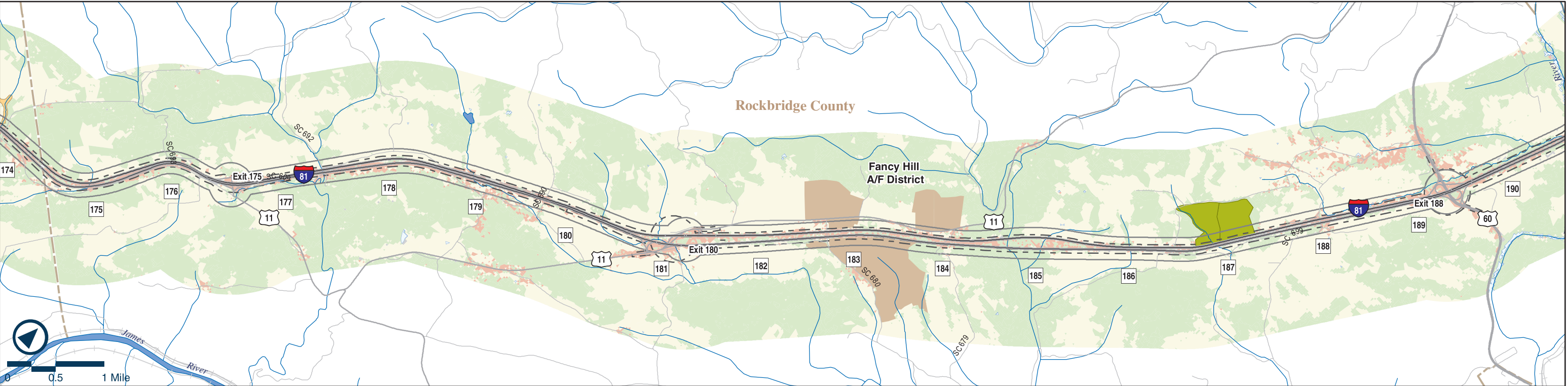
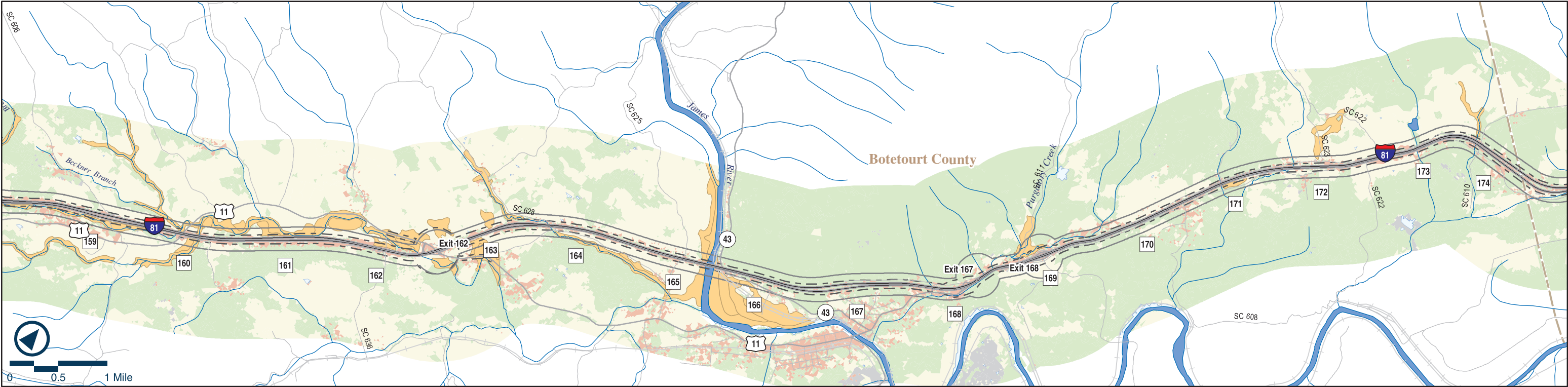
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I-81 Exit 156 to Exit 188

Resource	Minimum Width	Maximum Width	Add 2-Lanes	Add 8-Lanes
Displacements				
Residential	43	91	43	115
Business	20	27	20	27
Agricultural/Forestral District				
Fancy Hill A / F District (ac)	1.5	13.3	1.5	13.4
Prime Farmland				
Botetourt County (ac)	55	72.4	54.6	89.5
Parks, Recreation Areas, Open-Space Easements				
Open Space Easement (ac)	5.3	5.3	5.3	10.3

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GIS Source:

Land Use	LANDSAT Imagery
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Parks and Recreation	Colorado State University, 2003
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	City of Salem, 2004
	Shenandoah County, 2004

Colleges VA Economic Development Partnership, 2002

Schools VA Economic Development Partnership, 2003

Libraries VDOT, 2004

Petroleum Facilities VDOT/DEQ, 2003

RCRA Sites VDOT, 2004

Toxic Release Inventory Sites VDOT/USEPA, 2003

Fire and Rescue VA Economic Development Partnership, 2002



**Potential Impacts to
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I-81 Corridor

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Figure
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